## STANDARD STRAIGHT BAR

BAR	* LOCATION CATEGORY		
SIZE	А	В	C
#.4	1'-5''	1'-0''	1'-0''
#5	1'-9''	1'-3''	1'-0''
#6	2'-2''	1'-6''	I'-·3''
#.7	2'-1''	2'-1''	l′-8′′
#.8	3'-9''	2'-9''	2'-2''
#.9	4'-9''	3′-5′′	2'-9''
#10	6'-1''	4'-4''	3′-6′′
#	7′-5′′	5′-4′′	4'-3''

## \* LOCATION CATEGORY:

- A-Bars in horizontal layers in top of pour with 12" or more of concrete below them such as in: footings, pier caps, etc.
- B-All bars not in Category A spaced less than 6" apart. C-All bars not in Category A spaced 6" or more apart.

FHWA APPROVAL

DATE:

## Note:

- I. When development length is not specified on the Plans, the above dimensions shall be used.
- 2. These development lengths do not apply when bar is in lightweight concrete or any other strength of concrete.
- 3. These development lengths only apply where the

General Notes indicate "Reinforcing Steel Design, fs= 24,000 p.s.i.'

4.If depth of member does not allow bar development length indicated in Categories A, B, and C: then hook shall be added to all bars not conforming, as per D, E, and F per Std. No. M(6.08)-86-178.

APPROVAL			
C.5 Freedom DIRECTOR OFFICE OF STRUCTURES			
DATE: 2/2/90			
REVISIONS			
SHA	FHWA		
1-22-01			
9-20-05			

## STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

DEVELOPMENT LENGTH DIMENSIONS FOR GRADE 60 REINFORCING STEEL IN MIX NO.3 (3500 P.S.I.) CONCRETE NON-EPOXY COATED REINFORCING

12-4-07 **STANDARD NO.** M(6,14)-90-214

SHEET  $\perp$  OF 3

MISCEL